RIVERSIDE CALIFORNIA

THE LUSK COMPANY

LUSK HIGHLANDER

STORM DRAIN IMPROVEMENT PLANS

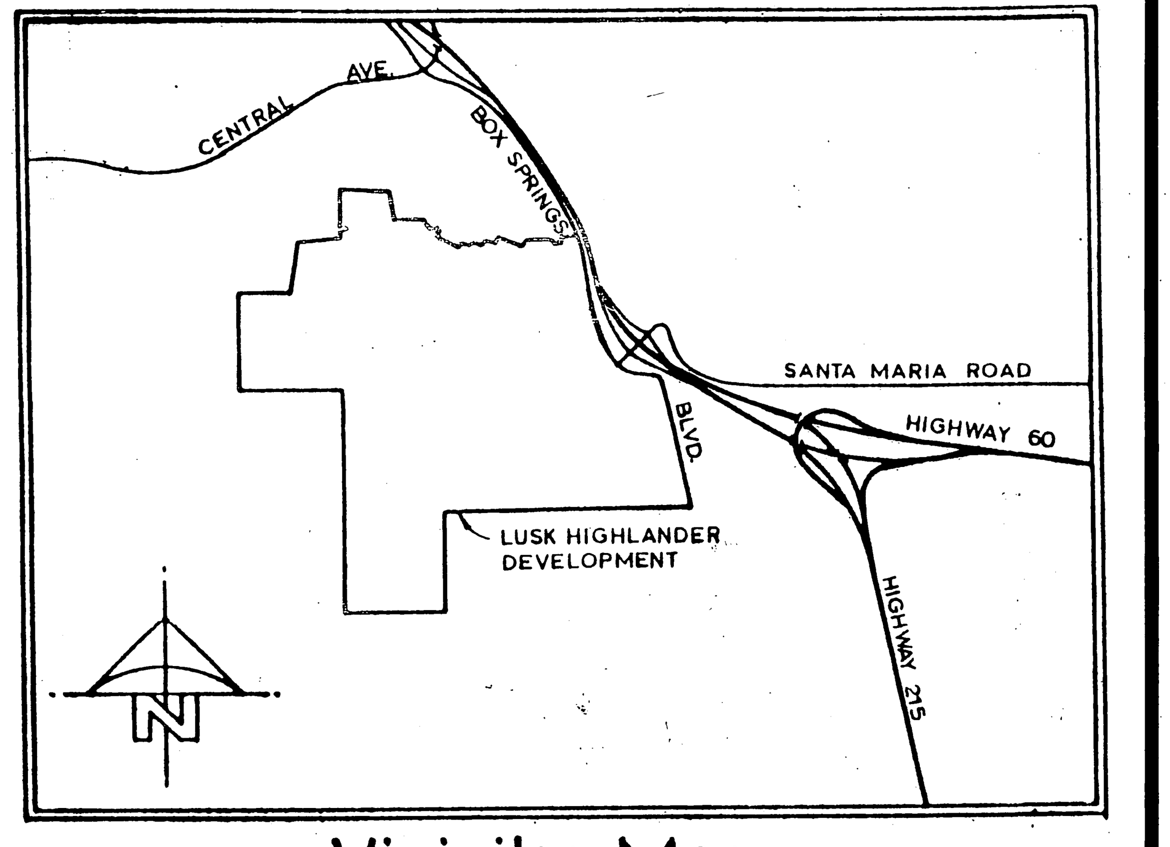
CONSTRUCTION NOTES AND ESTIMATED QUANTITIES

ITEM	UNIT	QUANTITY
(19) CONSTRUCT 24" RCP 1000-D (1000-D)	LF	185
(18) CONSTRUCT 30" RCP 1250-D	LF	63
(14) CONSTRUCT 33" RCP 1250-D	LF	126
(13) CONSTRUCT 36" RCP 1000-D OR CIPP ALTERNATE	LF	138
(12) CONSTRUCT 39" RCP 1000-D OR CIPP ALTERNATE	LF	176
(11) CONSTRUCT 42" RCP 1000-D OR CIPP ALTERNATE	LF	470
(7) CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 405	EA	4
(8) CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 407	EA	4
(2) CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STD. DWG. NO. 421	EA	1
(4) CONSTRUCT JUNCTION STRUCTURE C PER CITY OF RIVERSIDE STD. DWG. NO. 422	EA	1
(16) CONSTRUCT CONCRETE COLLAR CITY OF RIVERSIDE STD. DWG. NO. 424	EA	1
(5) CONSTRUCT MANHOLE AX PER CITY OF RIVERSIDE STD. DWG. NO. 430	EA	3
(3) (1) CONSTRUCT MANHOLE JM PER CITY OF RIVERSIDE STD. DWG. NO 432	EA	2
(9) REMOVE EXISTING CMP INLET AND ± 66 LF OF EXISTING 36" CMP	LF	66
(17) CONSTRUCT TIMBER BULKHEAD PER CITY OF RIVERSIDE STD. DWG. NO. 456.	EA	1
(15) CONSTRUCT 15' X 25' (1/2 TON) RIPRAP BLANKET PER STATE STD. SPEC. 72-2.02.	EA	1
(10) CONSTRUCT DRAINAGE INLET AND 12" RISER PER CALTRANS STD. PLAN NO. D93	EA	1
(20) CONSTRUCT CATCH BASIN OUTLET TRANSITION STRUCTURE PER CITY OF RIVERSIDE STD. DWG. NO. 404 CASE I	EA	1
(21) REMOVE EXISTING CATCH BASIN	EA	1
(22) REMOVE 84± L.F OF EXISTING 36" CMP	L.F	84
(23) CONSTRUCT 42" RCP 1000-D	L.F	208
(24) CONSTRUCT 39" RCP 1000-D	L.F	83

GENERAL NOTES

1. AN ENCROACHMENT PERMIT IS REQUIRED BEFORE ANY WORK MAY BEGIN IN/OR NEAR THE STATE RIGHT OF WAY.
2. ALL WORK WITHIN THE STATE RIGHT OF WAY SHALL CONFORM TO THE LATEST STATE STANDARD PLANS AND SPECIFICATIONS OR AS DIRECTED BY THE STATE'S REPRESENTATIVE.
3. NO EQUIPMENT OR MATERIALS MAY BE STORED ON THE STATE RIGHT OF WAY.
4. ALL DISTURBED AREAS IN THE STATE RIGHT OF WAY MUST BE TREATED FOR EROSION CONTROL (HYDROSEEDING OR EQUIVALENT, OR AS DIRECTED BY THE STATE'S REPRESENTATIVE) THE RESPONSIBILITY FOR MAINTAINING EROSION CONTROL WILL NOT BE RELEASED UNTIL THE SEEDING IS WELL ESTABLISHED. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF CALTRANS CLEANING ANY DRAINAGE STRUCTURES AND CHANNELS WHICH HAVE BECOME CLUTTERED WITH DEBRIS AND/OR SILT AS A RESULT OF, OR CAUSED BY, CONSTRUCTION PROJECT.
5. ACCESS CONTROL ON THE FREEWAY WILL BE MAINTAINED AT ALL TIMES (WORK INSIDE STATE RIGHT OF WAY MUST BE FENCED OFF WITH NO ACCESS TO WORK AREA FROM FREEWAY.
6. NO FREEWAY RAMPS OR FREEWAY LANES MAY BE CLOSED OR OBSTRUCTED AT ANYTIME, UNLESS SPECIFICALLY ALLOWED PER THE ENCROACHMENT PERMIT AND/OR AS DIRECTED BY THE STATE'S REPRESENTATIVE.
7. ALL FENCE RELOCATED TO FACILITATE CONSTRUCTION OF THIS PROJECT INSIDE STATE RIGHT OF WAY SHALL BE REPLACED WITH CL-6 FENCE AS SHOWN IN THE STATE'S STANDARD PLANS, OR BLOCK WALL IN ACCORDANCE WITH ACCEPTABLE LOCAL AGENCY STANDARDS.
8. ALL STATE DRAINAGE STRUCTURES MUST FIRST BE COMPLETELY CLEANED OF DEBRIS, AND/OR SILT, BY THE CONTRACTOR PRIOR TO MAKING THE CONNECTION.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ANY STATE DRAINAGE FACILITY WHICH IS CONNECTED TO OR DIRECTLY AFFECTED BY CONTRACTORS OPERATION SHALL BE CLEAN AND OPERATIONAL PRIOR TO FINAL ACCEPTANCE OF PERMIT WORK BY STATE. ADEQUATE CLEAN OUTS AND ACCESS OPENINGS SHALL BE PROVIDED IN ANY CONSTRUCTION WITHIN THE STATE'S RIGHT OF WAY FOR FUTURE MAINTENANCE AND REPAIR WORK, AS NEEDED. THIS SHALL BE FURNISHED AT NO COST TO THE STATE.
10. WHERE SURVEY MONUMENTS EXIST, SUCH MONUMENTS SHALL BE PROTECTED OR SHALL BE REFERENCED AND RESET, PURSUANT TO BUSINESS AND PROFESSION CODE, SECTION 8700 TO 8805 (LAND SURVEYOR'S ACT).

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURE SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS. THESE LOCATIONS ARE APPROXIMATE AND SHALL BE CONFIRMED IN THE FIELD BY THE CONTRACTOR, SO THAT ANY NECESSARY ADJUSTMENT CAN BE MADE IN ALIGNMENT AND/OR GRADE OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.



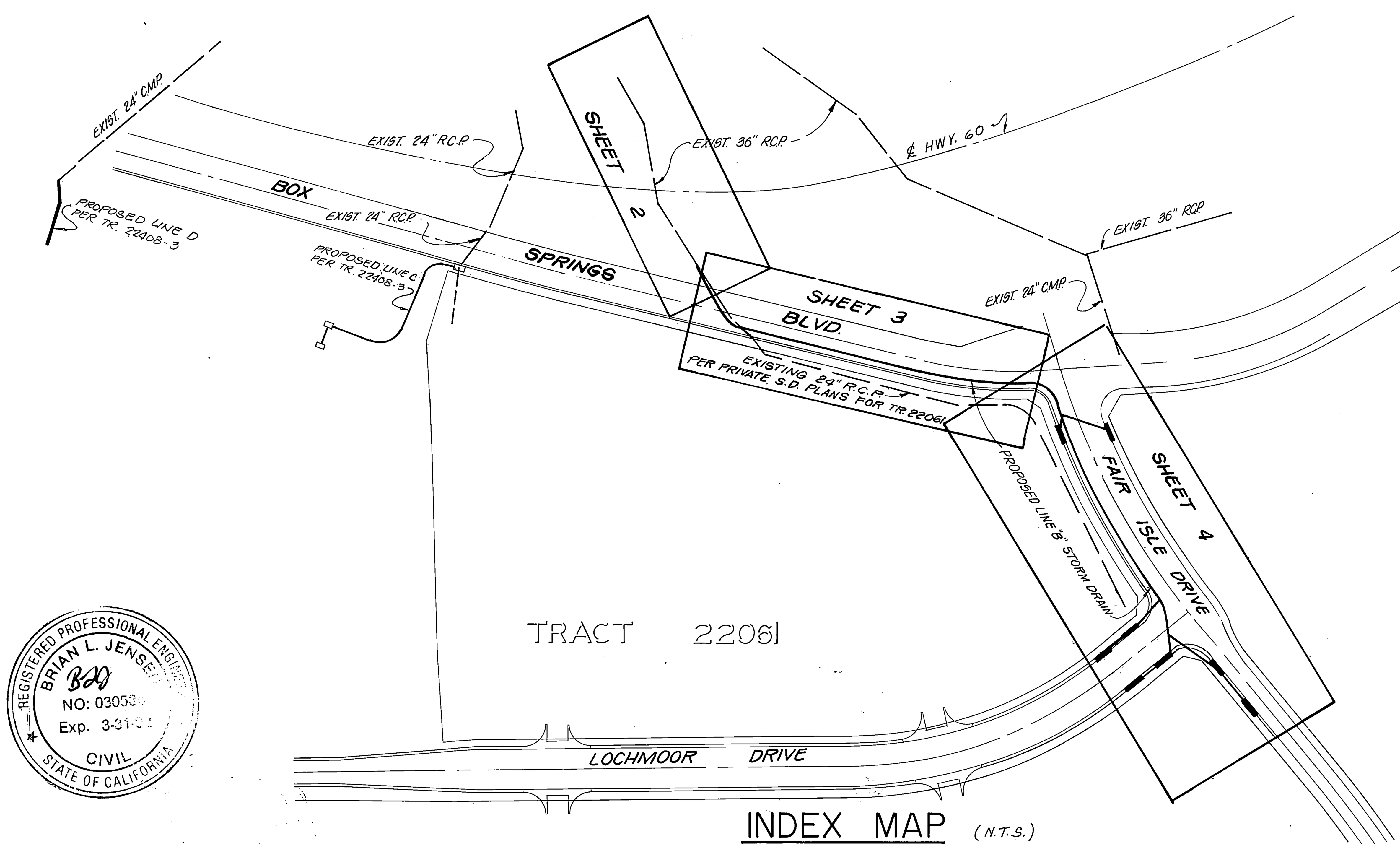
Vicinity Map
1"= 2000'

GENERAL NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTORS TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND AT NO COST TO THE CITY OR THE LUSK COMPANY.
2. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. CURRENT EDITION AND CALIFORNIA DEPARTMENT OF TRANSPORTION STANDARD DRAWINGS.
3. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
4. QUANTITIES SHOWN ARE FOR INFORMATION ONLY. THE LUSK COMPANY AND/OR CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
6. ON ALL AREAS WITHIN PUBLIC RIGHT-OF-WAY, WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
7. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE NO.1-800-422-4133, TWO WORKING DAYS BEFORE DIGGING. NO. CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
8. IF STREET IS TO BE RAISED, LOWERED OR OVERLAID, "ADJUST MANHOLE TO GRADE".
9. CONTRACTOR TO VERIFY EXISTING STORM DRAIN ELEVATION PRIOR TO CONSTRUCTION.
10. BEFORE THE RIP-RAP IS ACCEPTED, AS PLACED, AT THE OUTLET OF ANY DRAINAGE STRUCTURE, IT SHALL BE TESTED UNDER FLOWS AS CLOSE AS POSSIBLE TO DESIGN CONDITIONS WITH WATER OBTAINED FROM FIRE HYDRANTS IN THE IMMEDIATE AREA.
11. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
12. DEVELOPER AND/OR CONTRACTOR TO GIVE 5 DAYS WRITTEN NOTICE PRIOR TO STARTING WORK ON STORM DRAIN (OR DOING ANY WORK WITHIN CALTRANS EASEMENT). CALTRANS ENCROACHMENT PERMIT NO 08-89-6-DD-0499
13. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
14. TRIM EDGE OF EXISTING PAVEMENT WHERE NEW PAVEMENT JOINS TO A SMOOTH, STRAIGHT LINE, CONSTRUCT MATCH-UP PAVING AS SHOWN ON PLAN AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
15. IN PAVEMENT OVERLAY AREAS, DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A. C. PAVEMENT.

PRIVATE ENGINEERING NOTE
(NOT REQUIRED BY GOVERNING AGENCY)

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL AND ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



INDEX MAP (N.T.S.)

REGISTERED PROFESSIONAL ENGINEER BRIAN L. JENSEN NO: 03053… Exp. 3-31-… CIVIL STATE OF CALIFORNIA

SOUTHERN CALIFORNIA GAS CO.	CITY OF RIVERSIDE WATER SYSTEM
R.L. Baughman 7-26-89	R. McGrath 8-15-89
APPROVED BY / DATE	APPROVED BY / DATE

PACIFIC BELL TELEPHONE
P.G. Hallgren 7-25-89
APPROVED BY / DATE

BENCHMARK 600-49-68
3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76' SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7' NORTHEAST OF THE NORTHEAST RAIL, 1.9' ABOVE THE GROUND, AND ABOUT 1' HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF FD. ORIGINAL SHANK OF BRASS DISK WITH P.K. NAIL DRIVEN ALONG SIDE SHANK).

APPROVED BY: [signature] REG. CIVIL ENGINEER NO. 30534
DATE: 2-28-89
APPROVED BY:
DATE:

THE KEITH COMPANIES Inland Empire
6296 River Crest Drive, Suite K, Riverside, CA 92507 (714) 653-0234

SCALE: AS NOTED

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JB DRAWN BY RR CHECKED BY CVA

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	10-19-89	
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER	11-7 / 10/26/89	WLK

APPROVED BY [signature] PUBLIC WORKS DIRECTOR
DATE 11/7/89

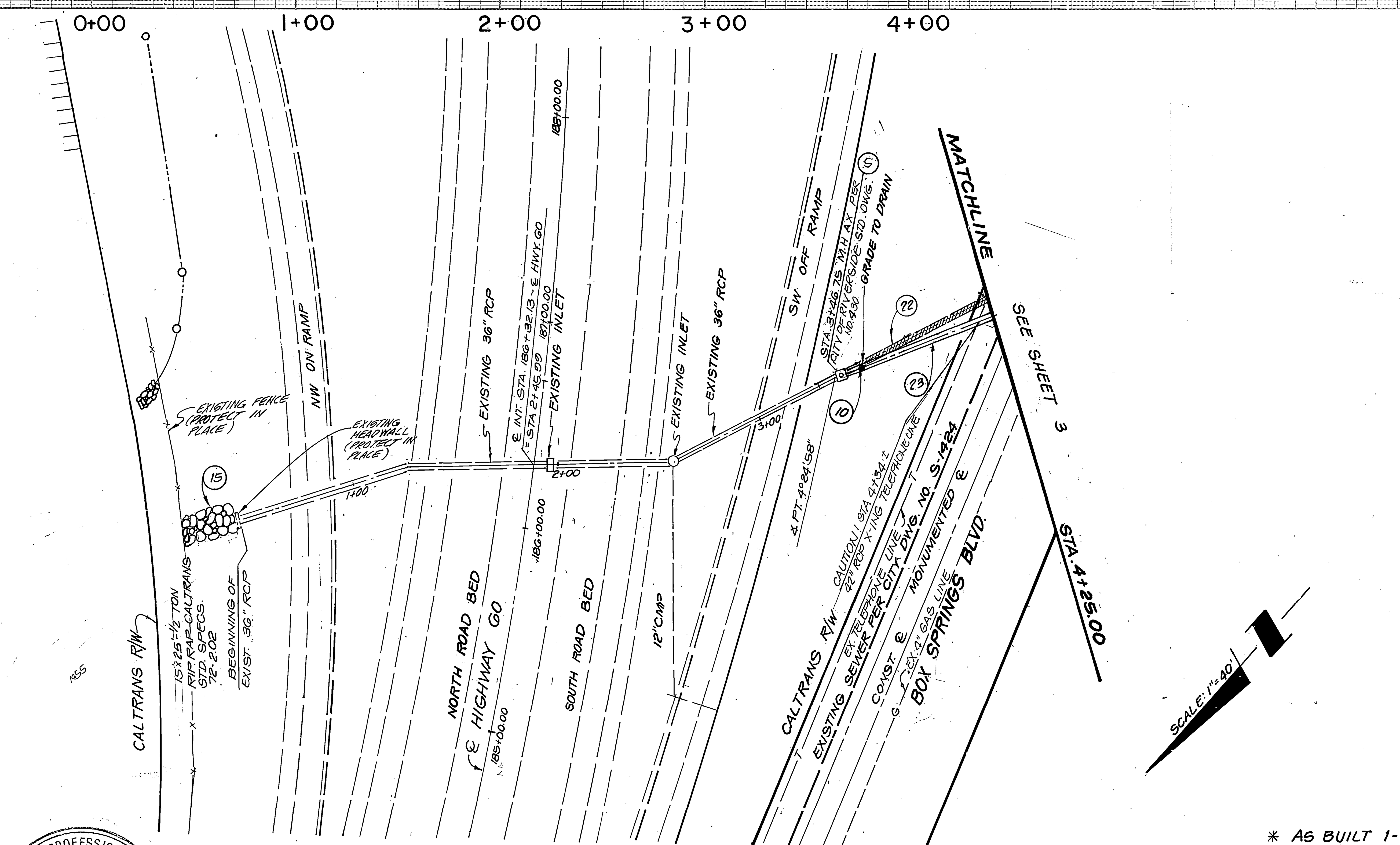
*As Built 1-30-91 Brian

STORM DRAIN IMPR. PLANS
TRACT 22408-1
TITLE SHEET

HORIZ. SCALE: 1"= VERT. SCALE: 1"=

ACCOUNT NO.
D-572
SHEET 1 OF 5

INDEXED 2-2-90



CONSTRUCTION NOTES

- (5) CONSTRUCT MANHOLE AX PER CITY OF RIVERSIDE STD. DWG. NO. 430
- (10) CONSTRUCT 12" C.S.P. RISER PER CALTRANS STD. DWG. NO. D93. SEE DETAIL THIS SHEET.
- (23) CONSTRUCT 42" RCP (1000-D)
- (15) CONSTRUCT 15' X 25' (1/2 TON) RIPRAP BLANKET PER STATE STD. SPEC. 72-2.02.
- (22) REMOVE 84± LF OR EXISTING 36" CMP.

* AS BUILT 1-30-91 BRIAN

0 10 20 30 40 80 120 160

BENCHMARK 600-49-68
3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76' SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7' NORTHEAST OF THE NORTHEAST RAIL, 1.9' ABOVE THE GROUND, AND ABOUT 1' HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF FD. ORIGINAL SHANK OF B. D. WITH P. K. NAIL DRIVEN ALONG SIDE SHANK).

CITY OF RIVERSIDE
WATER SYSTEM
APPROVED BY DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN L. JENSEN
NO: 030534
Exp. 3-31-92
CIVIL
STATE OF CALIFORNIA

THE KEITH COMPANIES
6296 RIVER CREST DRIVE
SUITE K
RIVERSIDE, CA. 92507
(714) 653-0234

APPROVED BY:
BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534 — 2-28-89 DATE

MARK	REVISIONS	APPR.	DATE
△	REVISE PROFILE GRADE OF PIPE TO MATCH EXISTING FLOW LINE ELEVATION OF PIPE UNDER HWY 60. IT ALSO INCLUDES HGL REVISION.		3/5/91

DESIGNED BY JB DRAWN BY RR CHECKED BY CVA

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	10-18-89	
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER	11-7 / 9/28/89	

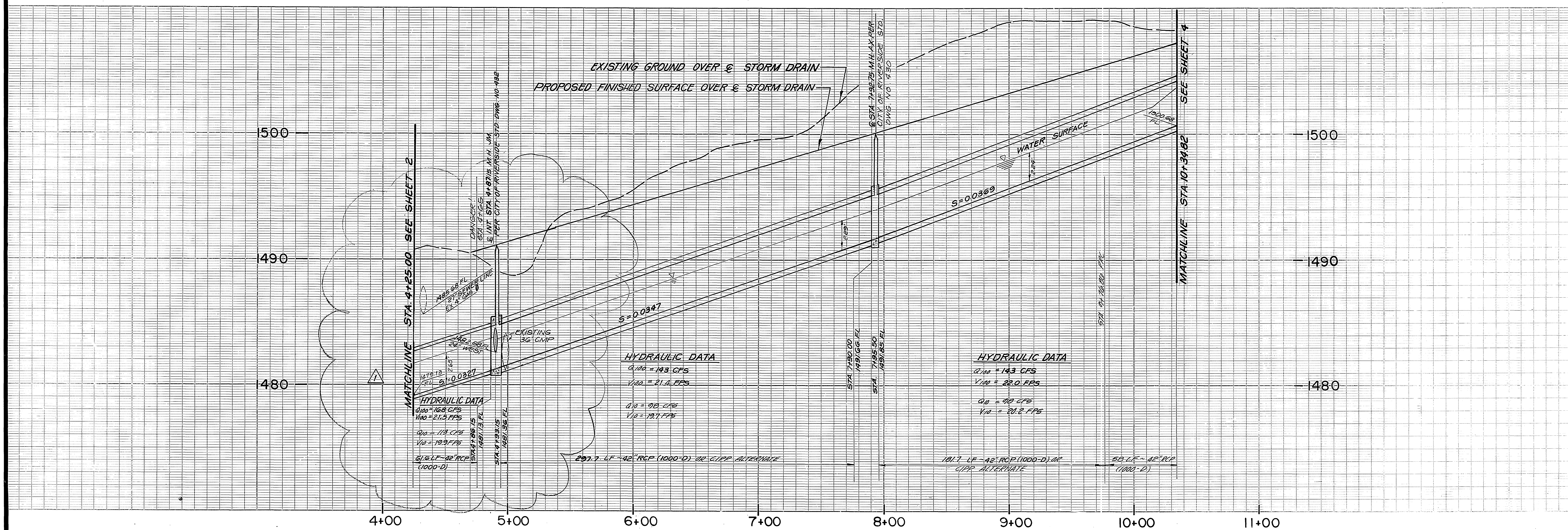
APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 11/7/89

STORM DRAIN IMPR. PLANS
TRACT 22408-1
BOX SPRINGS BLVD.

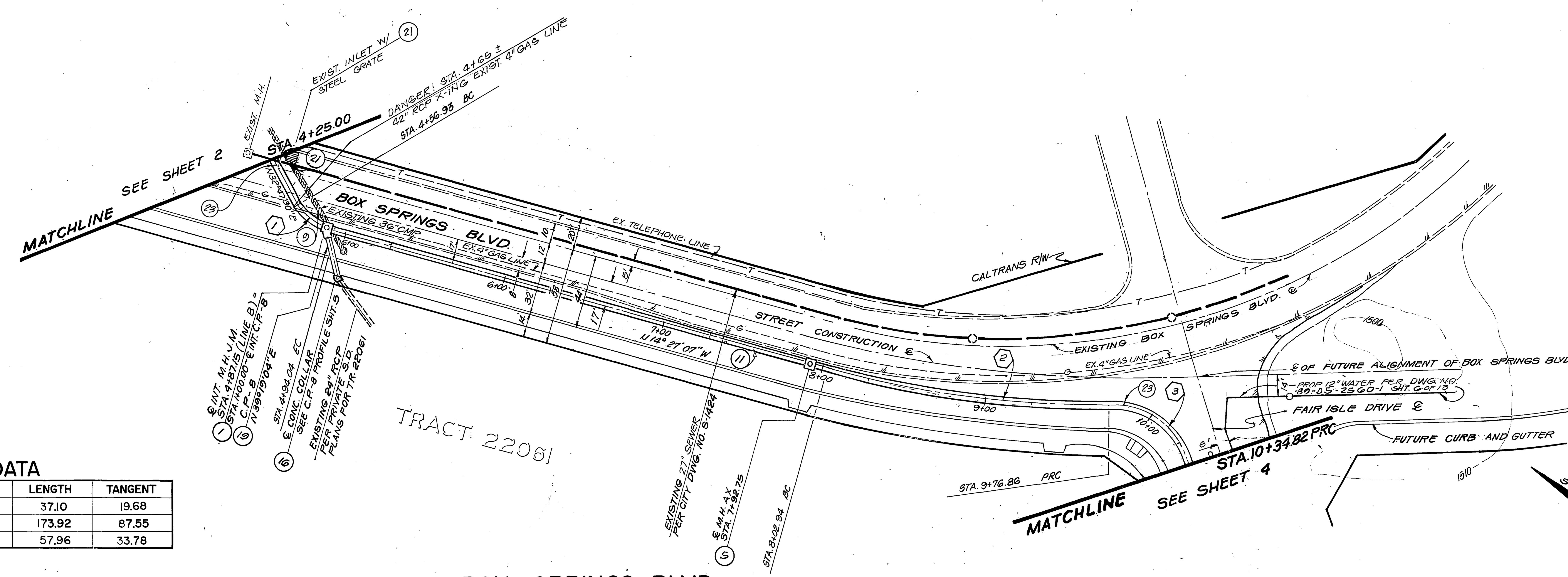
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO.
D-572
SHEET 2 OF 5

INDEXED 2-12-90



PROFILE SCALES
HORIZ = 1" = 40'
VERT = 1" = 4'



CONSTRUCTION NOTES

- (1) CONSTRUCT MANHOLE JM PER CITY OF RIVERSIDE STD. DWG. NO. 432. A = 45°, B = 24", C' = 6.4', DI = D2 = 42", E' = 6.0', L' = 7.0', ELEV. R = 1483.39, ELEV. S = 1482.58.
- (5) CONST. MANHOLE AX PER CITY OF RIVERSIDE STD. DWG. NO. 430
- (11) CONSTRUCT 42" RCP (1000-D) OR CIPP ALTERNATE.
- (16) CONSTRUCT CONCRETE COLLAR PER CITY OF RIVERSIDE STD. DWG. NO. 424.
- (19) CONSTRUCT 24" RCP (1250-D)
- (9) REMOVE CMP INLET AND ±66 LF OF EXISTING 36" CMP
- (21) REMOVE EXISTING CATCH BASIN
- (23) CONSTRUCT 42" RCP (1000-D)

CURVE DATA

	DELTA	RADIUS	LENGTH	TANGENT
1	47° 14' 37"	45.00	37.10	19.68
2	16° 12' 12"	615.00	173.92	87.55
3	73° 47' 39"	45.00	57.96	33.78

BOX SPRINGS BLVD.

* AS BUILT 1-30-91 BRIAN

0 10 20 30 40 80 120 160

BENCHMARK 600-49-68
3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76' SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7' NORTHEASTOF THE NORTHEAST RAIL, 1.9' ABOVE THE GROUND, AND ABOUT 1' HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF FD. ORIGINAL SHANK OF B. D. WITHP. K. NAIL DRIVEN ALONG SIDE SHANK).

CITY OF RIVERSIDE WATER SYSTEM
R. McGrath 8-19-89
APPROVED BY: DATE

REGISTERED PROFESSIONAL ENGINEER BRIAN L. JENSEN NO: 030534 Exp. 3-31-92 CIVIL STATE OF CALIFORNIA

THE KEITH COMPANIES
6296 RIVER CREST DRIVE SUITE K RIVERSIDE, CA. 92507 (714) 653-0234
APPROVED BY:
Brian L. Jensen 2-28-89
BRIAN L. JENSEN REG. CIVIL ENGINEER NO.30534 DATE

MARK	REVISIONS	APPR.	DATE
1	REVISE PROFILE GRADE OF PIPE TO MATCH EXISTING FLOW LINE ELEVATION OF PIPE UNDER HWY. 60. IT ALSO INCLUDES HGL REVISION.		3/5/91

DESIGNED BY JB DRAWN BY RR CHECKED BY CVA

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	10-19-89	
PARK DEPARTMENT	—	—
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER	11-7 10/28/89	

APPROVED BY
Barry Beck
PUBLIC WORKS DIRECTOR
DATE 11/7/89

STORM DRAIN IMPR. PLANS
TRACT 22408-1
BOX SPRINGS BLVD.

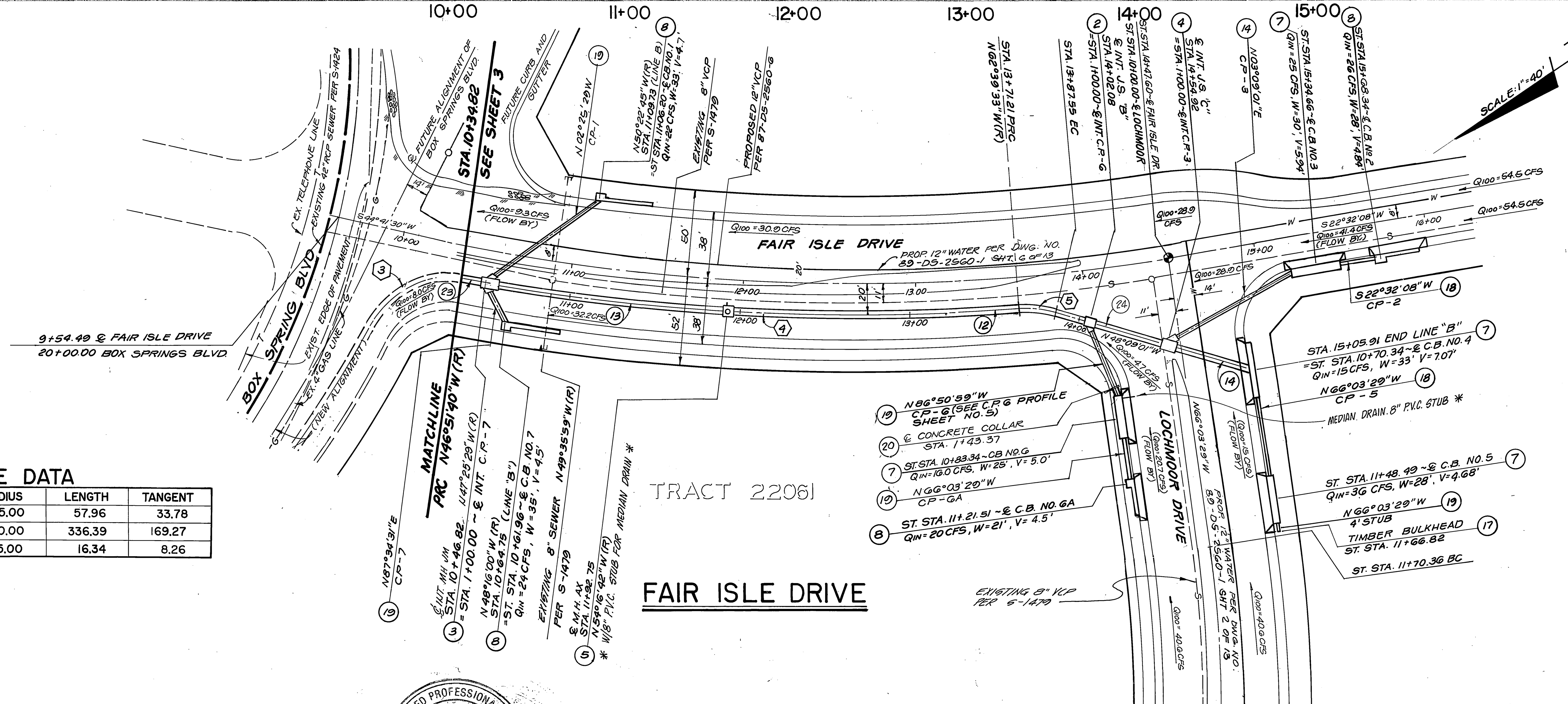
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO. D-572

SHEET 3 OF 5

INDEXED 2-2-90

PROFILE SCALES
HORIZ = 1" = 40'
VERT = 1" = 4'



FAIR ISLE DRIVE

CURVE DATA

⬡	DELTA	RADIUS	LENGTH	TANGENT
3	73° 47' 39"	45.00	57.96	33.78
4	15° 47' 53"	1220.00	336.39	169.27
5	20° 48' 34"	45.00	16.34	8.26

CONSTRUCTION NOTES

(2) CONSTRUCT JUNCTION STRUCTURE B PER CITY OF RIVERSIDE STD. DWG. NO. 421.
A = 45°, B = 24", C' = 5.6', D = 39", E' = 4.8', L' = 4.5', ELEV. R = 1513.65
ELEV. S = 1513.39.

(3) CONSTRUCT *MANHOLE JM PER CITY OF RIVERSIDE STD. DWG. NO. 432.*
A = 45°, B = 24", C' = 6.4', D1 = 36", D2 = 42", E' = 6.0, L' = 7.0',
C. P. - 1
ELEV. R = 1502.29, ELEV. S = 1502.08
C. P. - 7
ELEV. R = 1502.78, ELEV. S = 1502.26

(4) CONSTRUCT JUNCTION STRUCTURE C PER CITY OF RIVERSIDE STD. DWG. NO. 422.
A = 45°, B = 33" C' = 6.7', D1 = 36", D2 = 39", E' = 6.5', L' = 7.5', ELEV. R = 1514.95
ELEV. S = 1514.82

(5) CONSTRUCT MANHOLE AX PER CITY OF RIVERSIDE STD. DWG. NO. 430.

(7) CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO. 405.

(8) CONSTRUCT CATCH BASIN PER CITY OF RIVERSIDE STD. DWG. NO 407.

(23) CONSTRUCT 42" RCP (1000-D)

(12) CONSTRUCT 39" RCP (1000-D) OR CIPP ALTERNATE.

(13) CONSTRUCT 36" RCP (1000-D) OR CIPP ALTERNATE.

(14) CONSTRUCT ~~33~~* " RCP (*1250*-D)

(17) CONSTRUCT TIMBER BULKHEAD PER CITY OF RIVERSIDE STD. DWG. NO. 456.

(18) CONSTRUCT 30" RCP (1250-D)

(19) CONSTRUCT 24" RCP (*1000-D*)

(20) *CONSTRUCT CATCH BASIN OUTLET TRANSITION STRUCTURE PER CITY OF RIVERSIDE STD. DWG. Nº 404 CASE 1 DETAIL B, L=1.0.*

(24) *CONSTRUCT 39" RCP (1000-D)*

0 10 20 30 40 80 120 160

*as built 1-30-91 brian

BENCHMARK *600-49-68*
3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76' SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7' NORTHEAST OF THE NORTHEAST RAIL, 1.9' ABOVE THE GROUND, AND ABOUT 1' HIGHER THAN THE TRACK. BRASS DISK STAMPED D1144 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF FD. ORIGINAL SHANK OF B. D. WITH P. K. NAIL DRIVEN ALONG SIDE SHANK).

CITY OF RIVERSIDE
WATER SYSTEM
R. McGrath 8-19-89
APPROVED BY: DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN L. JENSEN
NO: 030534
Exp. 3-31-92
CIVIL
STATE OF CALIFORNIA

THE KEITH COMPANIES
6296 RIVER CREST DRIVE
SUITE K
RIVERSIDE, CA. 92507
(714) 653-0234

APPROVED BY:
Brian L. Jensen 2-28-89
BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534. DATE

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JB DRAWN BY RR CHECKED BY CVA

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	BY
PRINCIPAL ENGINEER	10-19-89	
PARK DEPARTMENT	—	
TRAFFIC DIVISION	—	—
CHIEF P. W. ENGINEER	11-7 / 10/26/89	

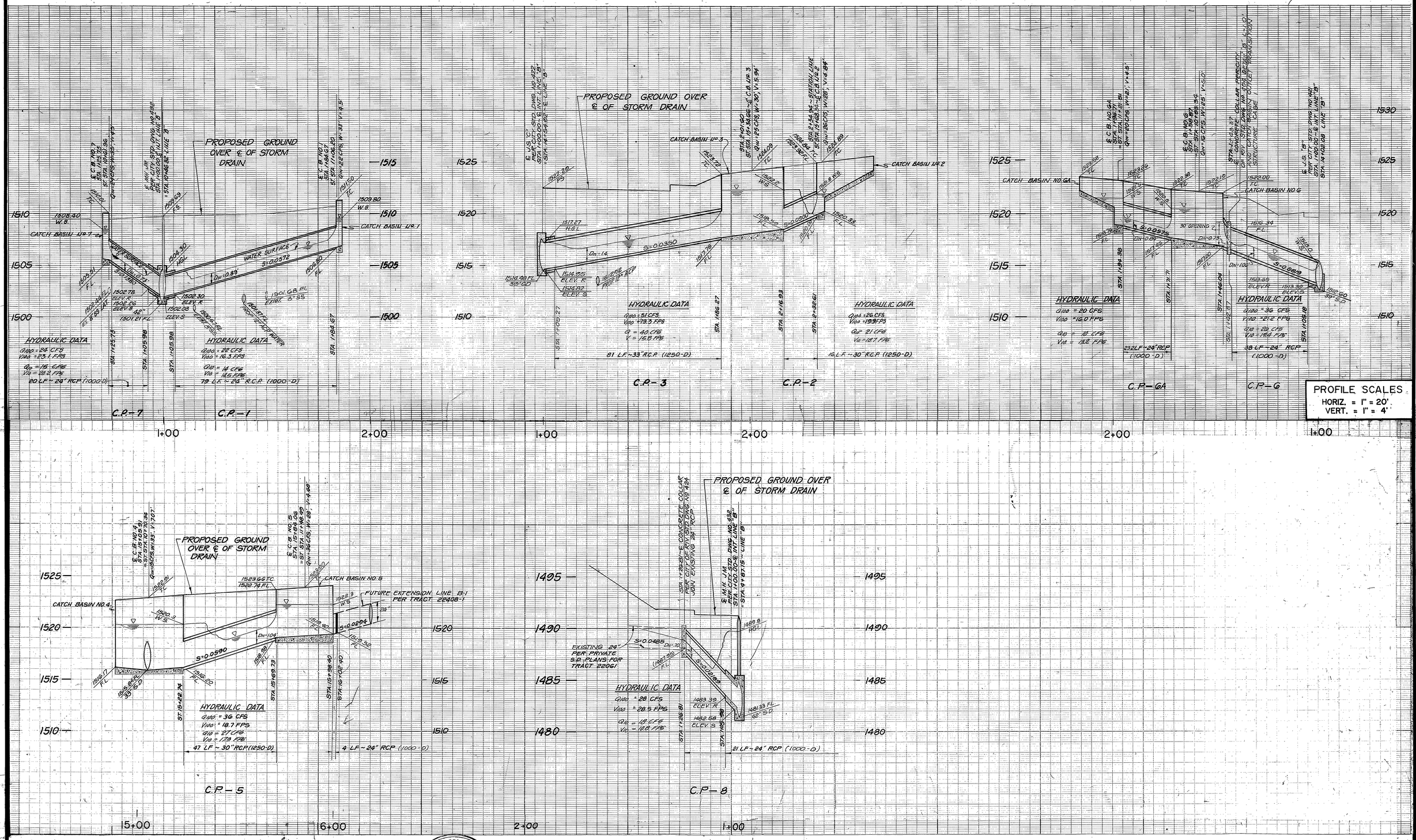
APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 11/7/89

STORM DRAIN IMPR. PLANS
TRACT 22408-1
FAIR ISLE DR./LOCHMOOR DR.

HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

ACCOUNT NO.
D-572
SHEET 4 OF 5

INDEXED 2-2-90



BENCHMARK. 600-49-68
3.5 MILES NORTHWEST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION AT MARCH FIELD, 76' SOUTHEAST OF MILEPOST 6, SET VERTICALLY IN THE SOUTHWEST FACE OF A ROCK CUT 7' NORTHEAST OF THE NORTHEAST RAIL, 1.9' ABOVE THE GROUND, AND ABOUT 1' HIGHER THAN THE TRACK. BRASS DISK STAMPED DII44 1961 ELEVATION 1451.887 (BRASS DISK IS BROKEN OFF F.D. ORIGINAL SHANK OF B. D. WITH P.K. NAIL DRIVEN ALONG SIDE SHANK).

CITY OF RIVERSIDE
WATER SYSTEM

R. McGrath 8-19-89
APPROVED BY: DATE

REGISTERED PROFESSIONAL ENGINEER
BRIAN L. JENSEN
NO. 030534
Exp. 3-31-92
CIVIL
STATE OF CALIFORNIA

THE KEITH COMPANIES
6296 RIVER CREST DRIVE
SUITE K
RIVERSIDE, CA. 92507
(714) 653-0234

APPROVED BY:
BRIAN L. JENSEN REG. CIVIL ENGINEER NO. 30534 — 2-28-89 DATE

MARK	REVISIONS	APPR.	DATE

DESIGNED BY JB DRAWN BY RR CHECKED BY CVA

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

	APPROVED BY	DATE	BY
PRINCIPAL ENGINEER		10-19-89	
PARK DEPARTMENT		—	—
TRAFFIC DIVISION		—	—
CHIEF P. W. ENGINEER		11-7	
		10/25/89	

APPROVED BY
PUBLIC WORKS DIRECTOR
DATE 11/7/89

STORM DRAIN IMPR. PLANS
TRACT 22408-1
CONNECTOR PIPE PROFILES

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"= 4'

ACCOUNT NO.
D-572
SHEET 5 OF 5

*AS BUILT 1-31-91 Brian

INDEXED 2-2-90 LH